

CLAIMS:

1. A land grid array connector comprising:
a housing having a first surface and a second surface, the housing having a passageway provided therethrough which extends from the first surface to the second surface, the passageway having a recess proximate to the first surface of the housing; and
5 a conductive contact received within the passageway, the contact having a deformable portion having a tip provided at an end thereof, the deformable portion being capable being in an undeformed position and in a deformed position, at least a portion of the tip being provided within the recess when the contact is in an undeformed position, at least a portion of the tip being provided within the recess when a lateral force is placed on the contact to
10 deform the deformable portion, the recess being sized and configured to limit lateral deflection of the tip upon deformation of the deformable portion in a lateral direction.
2. A land grid array connector as defined in claim 1, wherein the tip of the deformable portion has enlarged portion having a predetermined width.
3. A land grid array as defined in claim 2, wherein the recess has a width that is slightly larger than the width of the enlarged portion.
4. A land grid array connector as defined in claim 1, wherein the tip is provided at a first end of the contact, and a contact pad is provided at a second end of the contact.
5. A land grid array as defined in claim 4, wherein the contact pad is flat and flush with the second surface of the housing.
6. A land grid array connector as defined in claim 1, wherein the contact is generally S-shaped.
7. A land grid array connector as defined in claim 6, wherein the tip of the deformable portion has an enlarged portion.
8. A land grid array connector as defined in claim 1, wherein the contact has a thickness of approximately .003 inches.

9. A land grid array connector as defined in claim 1, wherein a plurality of passageways in the housing and a plurality of contacts are provided, respective ones of the contacts being mounted within respective ones of the passageways.
10. A land grid array connector as defined in claim 9, wherein the passageways and the contacts are provided in the housing in a high-density arrangement.
11. A land grid array connector as defined in claim 9, wherein each the tip has enlarged portion having a predetermined width.
12. A land grid array as defined in claim 11, wherein each the recess has a width that is slightly larger than the width of respective ones of the enlarged portions.
13. A land grid array connector as defined in claim 9, wherein each the tip is provided at a first end of the respective contact, and a contact pad is provided at a second end of the respective contact.
14. A land grid array as defined in claim 13, wherein each the contact pad is flat and flush with the second surface of the housing.
15. A land grid array connector as defined in claim 9, wherein each the contact is generally S-shaped.
16. A land grid array connector as defined in claim 15, wherein each the tip has an enlarged portion.
17. A land grid array connector as defined in claim 1, wherein each contact includes a deformable portion and a fixed portion, the deformable portion being laterally offset from the fixed portion.